	2	41	5.00	
Access DB#	- 4			- 7
Access DD#				

SEARCH REQUEST FORM

Scientific and Technical Information Center

Raquactor's Full Name:	e e Y	Evaminer #	Date: Sacra
Art Unit: 1771	Phone Number 30	Examiner # : Serial Number:	$\frac{1}{2} \int_{-\infty}^{\infty} \frac{1}{2} \frac{1}{\sqrt{2}} \frac{1}$
Mail Box and Bldg/Room I			
If more than one search is	s submitted, please pri	ioritize searches in order of n	eed. ********
Include the elected species or str	actures, keywords, synonyms ny terms that may have a spec	scribe as specifically as possible the su , acronyms, and registry numbers, and cial meaning. Give examples or releva ns, and abstract.	combine with the concept or
Title of Invention:			
Inventors (please provide full r	names):		
. ,			
Earliest Priority Filing Date	::		
	ase include all pertinent inform	nation (parent, child, divisional, or issued	patent numbers) along with the
appropriate serial number.	-		
	Vilantion		
	xeligation 5,90	0777	
	5,90	2,157	
	•		
*********	******	*****	******
STAFF USE ONLY	Type of Search	Vendors and cost v	where applicable
Searcher 25	NA Sequence (#)	STN	
Searcher Phone #	AA Sequence (#)		
Searcher Location	Structure (#)	Questel Orbit	
Date Searcher Picked Up	Bibliographic	Dr Link	
Date Completed	Litigation	Lexis Nexis	
Searcher Prep & Review Time	Fulltex:	Sequence Systems	
Clerical Prep Time	Patent Family	WWW Internet	
Online Time	Other	Other (specify)	

```
Welested tile: WPAT
 Charch statement
? FN 7859 L+57
 or 28 d: semults 1
 Sharih otutement
TERT MAX LEDALALL
 1/1 WPAT - (C) Derwent- image
 At: -12+8-009794 [01]
 MA - 01 - 49-103435
     - N1984-307077
     - A needle punched facing fabric has felt with respective tus and buttom
       fares which are hydrophobic and hydrophilic - needle punched with
       yarns.
     - 022 F04 F32 P73
 13/1
     - (STTE-) STANDARD FERTILE ON INC
 110
     - BYLES MI; JUERN KA
 NP - 4
     - 3.:
 FN - WOR851850
                      A1 19981119 DW1999-01 D04H-001/82 Eng 18p *
        AP: 1998W0-US09353 19980507
        DERWH: AL AM AT AU AZ BA BB BG BR BY CA CH ON CU OZ DE DK EE ES FI GB
       GE OH GM GW HU ID IL IS JP KE KG KP KR KZ LO LK LE LS LT LU LV MD MG
       MK BN MW MW NO NZ PL PT RO RU SD SE SU SI CK SL TU TM TR TT UA UG UZ
        VII TU IW
        DSKW: AT BE CH CY DE DE EA ES FI ER GH CH GE GR IE IT HE LU LU MU HE
        NL DA PT 3D SE SZ UG ZW
      - AMDEMINES A 19981208 EW1999-16 DOWN- 1/81
        FD: Basen in W 99818
       AP: 1948A.- A LAHE THH438ST
EPHROTYTH AI 1888S414 DW1989-19 DC4H-001/8% ENG
        FD: Based on World 51910
       AP: 1998E9-0920354 19980507; 1998W0-US04333 19980507
        DAR: DE FE GB NL
       A): 1947US-0858211 19970510
1997UG-0858211 19970510
      - DS: 402757
                   A 19990511 DW1999-06 D.4H-0.1/03
        DU48-001/08 D04H-001/52 A61F-013/15 B32P-0/8/20 B32B- 1 7/03
        D048-011/04 D04H-011/00 D04H-013/ 0
     - W09880850 A
 ā.B
        A stitch bonded facing fabric (le comprises à telt westell) with a
        hydrophoric lower fest face. Wi and an upper by noppositely tabe
        (i.) with an opposition face (20) of pain segments (10), otioch
        bonding yarms live repeatedly extending through the fect web , an
        upper yarm face 20% and a top yarm face (24) or hydrophobic yarm
        semments (151).
      - USE - A stitch bonded facing fabric made from needle jummed felt
        having hydrophilic and hydrophopic respective to mea.
      - ALVANTAGE - Is lower in cost. []wg..
     -- 2:1: 0.009-006 F02-002D F03-002 F03-50
     - [ - - - ] 0; 1999-19; 1999-20
  1 K IGO, - ON LESSTAT
TO FOR A 2010 ON A 2010 O
```

```
- ';.'-;
 All - 180 - 11
                                                                               US/AE-A
                            AR REMAINED DATA FATENT
                     - 14 FOR 18 MEVADOLE (1947031) AND 10 FRED

- 14 FOR 18 MEVADOLE AND SMOKED DIDEREDU

STANDARD TENTILE FOLL, 100 ME PROLITERED DESVE MODERNATT, OHIO

4 CORTES & STORM, BARDOLEH : 130 DIC ; DECES, ROCHAEL N. : 13077

- 17 FOR 12 MEVA
                                                                                                                                                                              10007113- 80801
                                PATENT
                       REIDSUE APPLICATION FILED
                     W 3 IGST - (D) LEGGTAT

ED - ED - (DD - (DE - 9000 74)

AF - ED - (DD 3 4 7 8) (1998 75.7 (1998 8) - 092 (304)
ACT - 199505 TO EL AETA
                                 EF-APPLICATION
                                EUROPARISCHE ANNELBUNG
                                {EF 98920334 98 19980507 [1998EF-09.0334]}
                       - 19890414 EP/AK-A1 [+]
                                  DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REFORT:
                                  IN SINER ANMELDUNG BENANNTE VERTRAGSSTAATEN
                                 DE FE GE NL
                      - 13:22414 EFFA1 (+)
PUBLICATION OF APPLICATION WITH SHARCH REPORT
VEROEFFENTLISHING DER AMMELIUNG MIT BECHHERERERICHT
                       + 10090414 ED 10P (+
                                 REQUEUT FOR EXAMINATION FILED
                                 PRURFUNGSANIAAN DESTELLT
                  - 1999-15
SE
  3/3 LGST - (C) LEGSTAT
 PH - Wo Get1850 [WO9851850]
                  - NO Asig353/98(US) 19980507 [1998WO-US(9303]
                   - N - H
 ACT - 1898 DOT WINAE-A
                                AFFILICATION DATA
                                {\pi \ \pi \second \se
                       - 19981008 WE ENP-AA
                                ENTRY INTO THE NATIONAL PHASE IN:
                      cliff 1830 The MATICIAL FRACE 13.

cliff 1830 The MATICIAL FRACE 13.

cliff 1830 The MATICIAL FRACE 13.

cliff 1830 The MATICIAL FRACE FRACE 13.

cliff 1830 The MATICIAL FRACE FRACE 13.

cliff 1830 The MATICIAL FRACE 13.
</pre
                      - 19981119 WO.AL-A1 (+)
DESIGNATED COUNTRIES FOR RESIDNAL PATENTS STEEL ID A STELLSHED ACTIONATION WITH SEARCH PEPCES.
                                THE COURT IS TWO STORY OF THE COURT OF THE C
                                31 31 72 73
                                 12001119 W A1
                                 FOR ITARION OF THE INTERMATIONAL APPLICANT OF WILE THE INTERNATIONAL
                                 SERVII FEEDE
                                in the second
                                                                                N.
                                 EF: 877 APF. ART. 115 (1
                                 1009009 WC RES; DE 5642 -
DB: IMPACT ABOLISHED FOR DF
                                                 -J3 WO/NEMP
                                DO FORTER INTO THE NATIONAL PHASE IN:
```

- UN +48211/97 | 19970510 | [1947US=0 532.1

1 1 CRXX ~ 10) CLAIMS/FRM EX: ~ 5, + 2,757 A 19990511 (USE+02751) PA - Shandard Textile Co Inc ACT + 2 ()425 REISSUE REQUESTED Israe Date of 0.0.: 2000062 Reguest Number: 09/853329 Examination Group responsible for Reicaur process: 1717 ACT - REISSYE APPLICATION FILED Search ratement 3 PPI IMPD MPAT - Time in minutes: 0,63 The cost estimation below is based on (destel's standard price list Estimated cost : 1.48 USD Records displayed and billed : ! Estimated Bost : 1.29 USD database search : 2.77 USD Cost estimated for the last database search : Estimated total session cost - Time in minutes : 0,11 The cost estimation below is based on (west- 'w standaru price list Repords displayed and bibled : : Estimated rost : 4.68 MUD Cost estimated for the last database search : 4.79 MUD Estimates total session cost : 2.28 MUD - Time in minutes : 1,01 The cost estimation below is based on queste 'co standard trice list Estimated most: 4.00 multi-Records displayed and billed : 1 - Time in munutes : 0, 11 The cost estimation below is based on Quester's standari price list Founds displayed and billed : Estimated for the last database as arch 1.77 for the decimated for the last database as arch 1.77 for the decimate a total session rost

117A — Fine in number : (), 11 The drawn in the state of the second restriction is $A_{\rm p} = 0$

umannama ja be lulum

JI 1998549314

```
Estimated most: .0.000
Charmest instead for the last database swarch: .0.000
Entimates total session post: .0.000
    or koyataya bola: INFD
    libear ih olt et en€nt o
99400 TEBBEL OF F10
    🚁 88 2: Results 5
     Search statement 3
PURBUTAT BUX
        - ) INPL - - 0) INFALCO
D - AU COMBENHA AL 19841. 8 - AUSSCUBBE]
C - STIPOH ECCUBO FABBIO AM BINID-REVAINTOR FYERI CMADE DEREWIDE
                - STERM PANDALPH A; BYLES MICHAEL N
              - SIANDWARD TEXTILE CO INC
               - AU 02935/98-A 19980507 [1398AU-0072938
     pk - US 808211/97-A 19970510 [1997US-0858821
               - Wor 9809353/98(US)-W 19980507 [1098W0-U304753
      in - bodd-601/52; b04H-013/00; b04H-011/00; B3dB-005/26; B3dB-007/08;
                   -AclF-013/15; D04B-021/04
     1 3 INFL - 10) IMEASOD
     50 - CA 00.3340 AA 19980118 (WAL218449)
               - STOTOM EDDIED PARKET AND PLUMD-RELAINING PARKET MADE THERESITH
               - 3113
     TH - BYIED MICHAEL H [US]; KTEBO RANKCEPH A [US]
PA - STANUARE TENTILE CO INC [US]
AB - CA 1288340,98-A 19980807 [19980A-22.7340]
              - US 858211/97-A 19970510 [1997US=0858211
                - D 4H-601/50; D04B-021/04; B32B-00 7/08; A60F-013013
     1.1 LEGALL - (C) LEGSTAT
    PM - CA /253340 (CA2253340)
DD - CA-E
ACC - 17951508 CA/FEFW-P
                     CORRESPONDS TO POT APPLICATION
ENTERPRICET FOI ANMEDITING
RWO Medition
                - 19 -- 14
     3.5 INPO - (C) INPADOC
FM - EL FETTOP Al 19990414 [EF-907179]
                 - SILTON ECONDED FABRIC AND FLUID-RETAINING EXERIC MALE THEREWILL
               - SUBBLI MARCOLPH A [US]; BYLEC MICHAEL L [US]
- STANDARD TEXTILE CO INC [US]
- EN HERLOSSA (98-A 198-80500 ] [US]
- MC HE ASTROSS US -W 1098 | U 1098-W -UC 1883;
- UT HOLLI 90-R 1197 | U 1098-W -UC 1883;
- UT HOLLI 91-R 1197 | U 348-V -U 488-V -U 578-V -U 588 BH 7 -H;
WOLLI 91-R 13 13; U 488-V -U 488-V -U 578-V -U 588-V -U 578-V -U 588-V -U 5
               - STEER PANDOLPH A [US]; BYLET MICHTEL I TO
     АF
    10.185/11 - 0. LEGSTAT
10. - 21 - 7714 (EF-907779)
               - 9: 0:4020834/98 19980607 (199821-0:2 1)
```

```
And H. 1999 OF EICASHA
           · EH-ARILITATION
               ETRUPAEISCHE ANMELDUNG
                (AE 9-920334/98 19980507 (1993EP- 910551);
           - 1: 0:414 EP/AK-A1 [+]
               DEST WATER CONTRACTING STATES IN AN ADVISOR WITH STATES HE RESERVE
                IN FINER ANMELOUNG BENANNTE VERTRAGUS MARION
                 DE PA DE NIL
           - 1 * ** 414 EP*A1
               PUBLICATION OF APPLICATION WITH SWARCH AND RI
               TO DIGHTION OF APPLICATION WITH EMARCH EMPORT WITH THE REPORT OF AMELICAN MIT RESIDENCE HERE HE INDICATED AND AND APPLICATION OF A PROPERTY OF
                seyonar for evanciátich filed
               PROBETINGSANTRAG GESTELLT
               991 3
         - 1999-15
4.5 INPL - 2) INPADOC
         - STITTE BONDED FABRIC AND BISID-RECAINIUS BABRIC MALE THERESISE
          - DIREM RANIOLPH A (US); BYLED MIDERED D (UD
FA - STANDARD TEXTILE OF INC [US
AB - US SCHOOL 97-A 19:70510 [1997US-6:55011]
FR - US SCHOOL 97-A 19:70510 [1997US-6:55011]
 IC - 004H-001718
1/1 LEGALI - (C) LEGSTAT
PN - US 8962757 [US5902757]
AP - US MESU11/97 19970510 [1997US-0350211
ACT - 1890G.10 US/AE-A
               APPLICATION DATA (SATENT)
               {US 438211/97 19970510 [1997U3-0658212]}
          - 19970310 US/AS02
              AUSTREMENT OF ASSIGNOR'S INTEREST
STANDARD TEXTILE CO., INC ONE KNOLLUREST DRIVE TIMOINMATI, OHTO
4021-1802 - STERM, FANDOLEH : 19900101, HYLES, MICHAEL N. : 1997/5/20
           - 1999:3<mark>11</mark> 1004.
               PATENT
           - 200000620 USIRE
               REISSUE APPLICATION FILED
20000425
U2 - 2000-17
N 5 INTO H O: INPADED
FN - W: We 1880 A1 19981119 [MODESTHEU]
TI - DITT M FONLED FABRIC AND FLUID-RETAINING FURRID MALE THEREMITH
          - SISBN PARCILER A: FYLES MICHAEL N
          - PRANDARD TEXTILE OF DUE
         Ac18-113/15; D04B-021/04
          - AL: AM: AT: AU* AZ* BA* BB* B3* FD* BY: MA: CH: MU: DM: ML: DE: DE: EF: EU: FI: GB* GE* GH* GM* GM* FO* IL: DE: IS: TE: KEE: FE: EE:
               ROW DAY THE DRY DRY DRY DOWN DOWN MAN DESCRIPTION OF THE
               POR MOR BUY BUY SEX SGX SIR BWY BOX TOR TWO TRY TOR CAR FROM TOR TWO
               Y'- M. THE GM RE IS MW SERVICE IN AN ACTION BY MG HAT IN THE AT BE ON
THE DRIVE BY FIRE GROUP IN THE DRIVE BY HE OF TO ME OF GARANTEE
               MY DIR NE SM TD ID
```

```
100 - W 98:1950 = [WO9851850]
AP = W = 9353/98(US) = 19980507 = [135 (W - 1046 + 1)]
DOMESTIC OF THE STATES OF THE 
                      - 109:01119 WO:AL-A1
                             DESIGNATES COUNTRIES FOR REGIONAL PATESTS OFFED IN A PUBLISHED
                             ATHLICATION WITH SEARCH REFORD
                             GHE RAINE LO MW ED 3Z UG DW AM AZ BY KIFTO AD AU DI TM AT HE DH OF LE
LE RUFT FR GB GR TE IT DU MO NA LT SE HE BO OF 18 DI W MA HUMA ME
                             HE SHI PL IN
                           SHARUH REPORT
                      - 1 - 090407 WO/121
                            EP: PCT APP. ART. 158 (1)
                      - 19990909 WO/REG; DE/8642 [-]
                             DE: IMPACT ABOLISHED FOR DE
                      - 20100303 WO/NENP
                             NUM-ENTRY INTO THE NATIONAL PHASE IN:
                            JE 1998549314
      TE - 2/21-13
```

Search statement 3

```
Process TRANSMIT the NAME of the file you want or thanch. To see a description of a file, type its page number and press the PARKETT way.

FILES - FAGE 1 of 7 (NEXT PAGE for additional files NAME PT DESCRIP

NA
```

1. 1. 1. 1.

Selected ocverage 1 15 31 to 12/3/74

< ,302, 5 ×

<<=2>> GET 1st DRAWING MEETS OF A

May 11, 1:99

Stitch bonded fabric and fluid-retaining radio made therewith

EDUCATE: For the Application filed Apr. 1 , 2 \pm 0 , 3. On. 2 , \pm 0 Ex. § .: 1011; Fe. C.D. C.7578, E2

INVENTIR: Cheen, Bandulph A., Cincinnati, Oni Bytes, Michael N., Camestown, North Carolina

ASCIGNEE-AL-ISSUE: Standard Textile Co., Inc., Cladingate, Ohle (a.)

APEL-NO: 6 34,211

FILED: May 10, 1937

>:+>

Fat. No. 39 2051, 6

INT-CL: [6 004H 1#08

US-CL: 442#324; 442#326; 442#36; 442#38; 442#57; 400#101; 428#192; 604#378; 604#383

Cli: 442;4he;504

SMARCH-F10: 442#36, 38, 57, 324, 326; 426#102, 172; 604#378, 383; 86#190, 191, 191

REF-WITED:

TILL PATENT I COMPUTE

1,:16,:10	1 1 1	٠	Willingham
1,1, 31	11 1351	•	Grant
.,612,673	3 - 1954	*	Shaw
4,026,129	5 - 1977	*	Sternlieb
4,128,686	12/1978	*	Kyle et al.
4,144,612	3/1979	*	Yamadridili
4,131,314	1,1980	*	Lefkovinz - na a

4,875,126 6/1987 * Oct

41.5 * 1 2.

.... M. . 3 - 2 8 7 - -

4, 411, 173	· 1989	٠	:ternii.p	6.#193
., = 6,128	10,1.69	•	Tailr glu	11#2+11
.,5:0,*17	7,1994	*	Arnoth et	4 # 8.5
, 5 6,402	10.1994	*	Gillies et a .	6 :#3".
7, 565, 677	11/1994	*	Dalha, en	34 = : A

FOREIGN FATENT DE COMENTO

1.61004	3/1988	*	European	1 3.31.1	Office	$(\Xi F(\cdot))$
429502	6/1991	*	European	Eatent	Oifi:	$(\Xi \mathbb{P}^{r_0})$
49€167	7/1992	*	Europhai.	Estrant	Offl:	(EP4.)

STHEE PLBS. C. T. 111

The Machine of the Macipol Type consisted . International Desirable Region 1, i. Show 4 gages .

PRIMHIMMR: Baiming, Christopher

Pat. No. 39.2351, •

LEGAL-REP: Noted, Herron & Evans, L.L.P.

CORE TERMS: yarm, fabric, web, layer, facing, consents, united, quer sucrate, barrier, minded, fluid, fluid-retaining, mysrcyhoole, hydrophilis, sheet, pas, incontinent, bending, ecoperate, ply, strucked, overlaps, loop, manufacture, patient, knit, continuous, interposed, achesive, underlaps

ABST:

A stitch bended fabric sheet (10, has a felt web (12) with hydrophobic layer (14) and a hydrophilic layer (16) stitch bended with yaans (18, to create yarn faces (24 and 26) over the respective outer surrages (26 and 25) of the felt web (12). Sheet (10) may be used as a fluid-retention fabric such as to replace the facing fabric and felt layer in an incontinent pad.

NO-OF-CLAIMS: 29

EMMPL-CLAIM: < 0465>> 1

MO-CP-FIGURES: 8

HATHLEEN FULIER FIRST 0 3 Heal 4